



POLYTHANE™ 233 HF

HEAVY DUTY, SLIP RESISTANT POLYURETHANE SCREED
OF THICKNESS 6-9 MM

DESCRIPTION

Polythane™ 233 HF is a 5 component polyurethane trowel applied in average thickness from 6-9 mm screed for industrial application and repairing system in matt antiskid finish offering versatility in performance, aesthetics and cost effective.

RECOMMENDED USES

- Hygienic floor for kitchens, food and beverage processing and packaging plants.
- Chemical resistance floor for chemical processes
- Thermal shock resistance floor for freezers, refrigerators and oven installed spaces
- Mechanically durable floor for loading docks and warehouses
- Anti-skid finish for safety in oily, slippery service conditions

MAIN PROPERTIES

- Anti-skid surface for safety
- Excellent chemical resistance
- High temperature resistance up to 120 °C
- Easily cleaned and maintained surface
- User-friendly, low odor during installation
- Resists bacterial growth, fungi, mould and mildew
- One of the fastest "turn around time" polymer modified product which reduces cost
- High-density systems with maximum wear, abrasion and impact resistance
- Seamless without joints for optimum sanitation and hygienic finish
- Food Grade

TECHNICAL PROPERTIES

Density	2.0 kg/mm ³ /sqm
* Compressive strength	50 N/mm ²
* Tensile Strength	61.69 ksc (ASTM C307-03)
* Flexural Strength	127.40 ksc (ASTM C348)
* Pull-off Strength	1.56 mPa (ASTM D7522)
Thermal conductivity	1.0 W/m °C
* Taber abrasion resistance	0.2 gm/1000 gm/1000 rpm
Coefficient of thermal expansion	2.5 X 10 ⁻⁵ °C
Impact resistance	< 0.5 (BRE screed tester) mm
Water absorption	0 ml
* Temperature resistance	-40 °C to 120 °C
Pot life	25 - 30 min. at 30 °C

COLOR

- Light Gray (Close to RAL #7035 Light Gray)
- Medium Gray (Close to RAL #7040 Window Gray)
- Dark Gray (Close to RAL #7037 Dusty Gray)
- Yellow Cream (Close to RAL #1014 Ivory)
- Yellow Buff (Close to RAL #1002 Sand Yellow)
- Light Green (Close to RAL #6021 Pale Green)
- Dark Green (Close to RAL #6032 Signal Green)
- Blue (Close to RAL #5024 Pastel Blue)
- Red (Close to RAL #3001 Signal Red)

SURFACE PREPARATION

- Concrete should have a mechanical strength of at least 210 KSC (cyl)
- Moisture contents in the concrete should be less than 5%
- Surface preparation by scarifying crossed lines or shotblasting
- Groove every 1.5 meter, crossed lines, is recommended for better bonding into the substrate
- Key lock, two paralel lines, at all edges to wall, to gutter is also recommended to avoid curling and debonding

INSTALLATION

- Primer, epoxy primer Rocaprime™ 200 and broadcasting with Filler QS-4 100 g/sqm are recommended prior coating with Polythane™ 233 HF. Let the primer completely dry, approximately 6-8 hours before applying the top coat.
- Polythane™ 233 HF should not be applied on floor temperature below 10 °C. Temperatures should not fall below 5°C in the 24 hours after application.
- Polythane™ 233 HF is not designed for immersion.

AVERAGE CONSUMPTION

- 2.21 m²/set/ 6 mm



TRAFFICABILITY (at 35 °C)

8 hours	Foot traffic
18 hours	Light traffic
24 hours	Full traffic
7 days	Full cured

MAINTENANCE

Regular cleaning and maintenance will prolong the life of Polythane™ 233 HF, enhance the appearance and reduce the tendency to retain dirt.

- For the first 7 days, use only clean water to wash the floor
- After 7 days, can use liquid soap or light diluted detergent and high pressure water to wash the floor

Technology for Engineers

Above datas are given for information only, based on our testing and experience. As the product may perform differently depending on some factors like, substrate, temperature, moisture in the air, wind conditions. We strongly recommend users to test a small quantity of the product at the actual job site to prevent any wastage. Roca10 is continuously working on Research and Development to improve the product, therefore we reserves the right to change the datas if needed. Users should check and always refer to the latest update version of the

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233 HF

PRODUCT DATA SHEET



POLYTHANE™ 233 HF

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PACKAGING

Polythane™ Part A	3 kg/container, 6 container/box
Polythane™ Part B	3 kg/container, 6 container/box
Polythane™ Part C	12.3 kg/bag
Polythane™ Part D	8 kg/bag
Polythane™ Part E	200 g/bag

STORAGE AND SHELF LIFE

- 6 months to 1 year

HEALTH & SAFETY

Material Safety Data Sheet (MSDS) available upon request.

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